

BIRD
NEPONSET
PRODUCTS

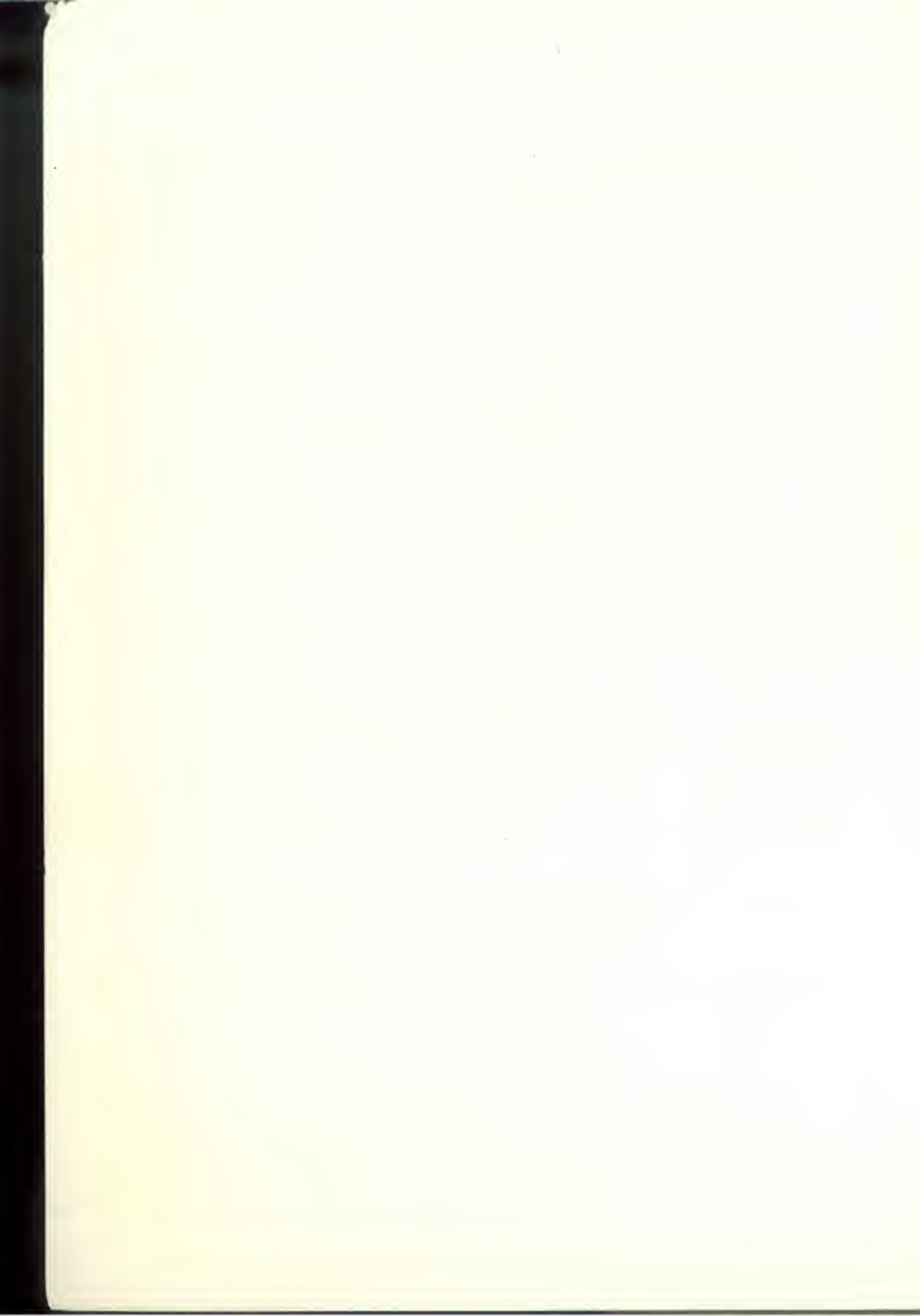
ROOFINGS

For Every Building

BUILDING PAPERS

For Every Purpose

♦



NEPONSET

ROOFINGS
For Every Building

BUILDING
PAPERS
For Every Purpose



Trade
Reg. U.S.

Mark
Pat. Off.

F. W. BIRD & SON, Established 1795
Main Mills and Gen. Offices, East Walpole, Mass.

New York, Chicago, Washington, Portland, Ore., San Francisco

Canadian Mills and Offices: Hamilton, Ont., Winnipeg, Montreal, St. John

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Important

DO you realize the importance of securing for every building, from factory to residence, the roofing that will be a real permanent protection against the weather and water? And do you appreciate the necessity of obtaining waterproof building papers which will permanently insulate your walls against dampness, drafts and cold? If you do, you will want to read this book from cover to cover. You will want to know all about

Bird **NEPONSET** Products

Roofings and Waterproof Building Papers

BECAUSE—Whether you use **NEPONSET** Products or not, you will gain information based on an experience of over a century in one line and an experience of over a quarter of a century in making roofings and waterproof building papers.

BECAUSE—You will learn about roofings that have stood the test of time—the only true test—in every climate. Roofings that in addition to the widest use by individuals have been purchased in large quantities annually by such customers as the United States Government, nearly all the leading railroads and many large manufacturing industries.

BECAUSE—There are different **NEPONSET** Roofings for the different types of buildings and you can find just the roofing for your building.

BECAUSE—You will be able to understand the purposes and possibilities of waterproof building papers in securing a permanent damp-proof, draft-proof building.

BECAUSE—You will be told about the products that architects have been specifying for these purposes during the last twenty-five years and more, products used in the White House and nearly all types of residences from large estates to low-cost cottages throughout the country.

Whether you are interested in learning about some particular product, or desire to know just what product is best suited for your building, the Index will show you the page on which each product is described, and the page also on which each type of building is treated.

A Record Unparalleled

In 1795, over a century ago, George Bird, the founder of F. W. Bird & Son, started this industry, and ever since the business has continued in the hands of the same family—in a direct line of four generations—a record unparalleled in the paper and felt making history of America.

It was in 1825 that the first patent was issued, signed by John Quincy Adams, President, and Henry Clay, Secretary of State, and since that time there have been over fifty patents, covering improvements in the methods, products and machinery of F. W. Bird & Son.



Polk Street Station, Chicago



New York, New Haven & Hartford Coal Pocket, South Boston, Massachusetts

On immense railroad buildings—East and West—**NEPONSET**
PAROID ROOFING has been found a permanent
protection against all kinds of weather.

From the most modest of beginnings has grown up this present largest organization of its kind, with three mills in the United States, two in Canada, warehouses and sales offices covering both countries and agencies in all parts of the world. The daily capacity of the mills which feed this gigantic system of sales and distribution is 300,000 pounds of paper, 600,000 square feet of roofing, 800,000 square feet of waterproof paper.

The benefits accruing to a large scale of business were never better exemplified than in the case of F. W. Bird & Son, who buy their raw materials direct from home and foreign markets at an enormous advantage, manufacture their products in the entire with the most careful system of tests, maintain special departments just to test and improve products and the machinery they use.

Representative Users

In the entire industrial world there are probably no better examples of economical management than the great railroad systems. When materials are bought on a large scale it is especially necessary to secure those that represent the greatest economy,—not those with the lowest first cost, but those that will show the least depreciation and prove the cheapest in the end.

In using Bird **NEPONSET** Products for building purposes you follow the example of our large railroad systems, who for years have been large users — one system alone taking 15,000,000 square feet in one year.

About twenty years ago the United States Government, too, commenced buying Bird **NEPONSET** Products, and now averages annually nearly 1,500,000 square feet for use in all parts of this country, Alaska, Panama and the Philippines.

These customers are just mentioned as ones familiar to everybody. As a matter of fact there is no section of this country and very few parts of the whole world which do not contain constructions of every sort whose attractive, permanent roofing and damp-proof, draft-proof walls are silent witnesses for what you will gain if you use Bird **NEPONSET** Products in your building.

The reputation of the oldest and largest concern in the field,—the accumulative experience of one family in one business for over one century,—the records made in the most elaborate laboratory tests and actual usage of the severest sort,—all are back of every Bird **NEPONSET** Product.

Some of the Things that Go to Make Up the Quality of **NEPONSET** Roofings

NEPONSET Roofings are the only such products made complete from felt to fixtures by the one manufacturer, and we have the most complete felt mill in this country. As felt is the real base of a ready roofing, you can easily see why **NEPONSET** Roofings have at the start an advan-

tage over the others. When felt is bought on the market at competitive prices, its quality can never be assured.

After the felt has passed several inspections and every possibility of a defect has been removed, it is ready for its waterproof saturation.

The saturation which is made to penetrate every fibre of the **NEPONSET** Roofings is the result of years of testing in our laboratory and tests of actual usage.

Next comes the coating. For both this and the saturation are employed special machines which our own engineers have designed. It has taken a great many years to bring these machines up to their present state of perfection. Each costs about \$12,000., whereas an ordinary machine can be had for \$1,000. By means of these machines the coating may be applied so thick, even and smooth that heat and moisture can find no weak spots to attack.

It is not necessary, therefore, to cover **NEPONSET** Roofings with sand, marble dust, etc., which are never desirable. They give a durable appearance, but add to the weight and are generally used to cover up defects.

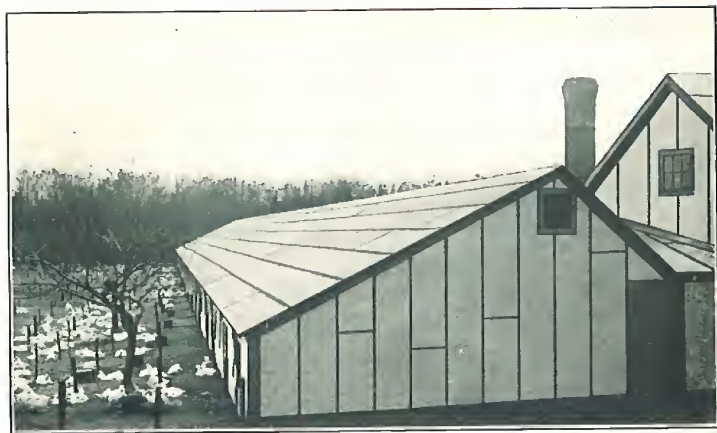
NEPONSET Roofings are furnished with square caps that offer the greatest possible binding surface and assure you against the leakage so often caused by nails without caps. These caps are made of new galvanized metal which retards rust.

A Few Comparative Roofing Facts

Shingles have in the past of course been the most common roofing, but every one knows how impossible it is to



Largest Stock Farm in Minnesota



Largest Duck Farm in the Country, Wrentham, Massachusetts

NEPONSET PAROID ROOFING is giving years of
service on farm buildings everywhere.

secure today a good quality of this article, on account of the scarcity of lumber. Shingles, too, are very inflammable, and cause many of the most destructive fires. Although tin roofing has experienced a certain amount of popularity in the past, it is fast losing ground because it requires frequent painting and is easily affected by smoke, fumes, acids, etc. Every metal roofing is very apt to rust both outside and in, and in summer always makes the rooms underneath uncomfortably hot.

Such heavy roofings as slate, tile and slag necessarily require a heavy framework, and except for special cases their expense is practically prohibitive.

Whenever you do have such roofing, add to their efficiency by using our Waterproof Building Papers underneath. (See page 18.)

NEPONSET Roofings are lighter and cost less to transport than any of the above kinds. They are a less expensive material than shingles, etc., and being easier to apply, save you time and money that way. These roofings are as fireproof as tar and gravel roofs and are excellent non-conductors of heat and cold. Time has proven their weather resisting qualities and durability.

Twenty-five years ago we originated the complete ready roofing idea, and today our **NEPONSET** Roofings compete with any grade or style of roofing, as they include different kinds of roofings for different types of buildings. In our factory, too, was originated the complete roofing kit packed in each roll of **NEPONSET** Roofings.

The Different Roofings for the Different Types of Buildings

Among the following descriptions you will find the special **NEPONSET** Roofing suited to your particular building or buildings, and you may rest assured that in every case you will not be experimenting. You will be using a roofing that has stood the test of time on similar buildings in every climate.

NEPONSET Paroid Roofing for Farm, Industrial and Railroad Buildings

NEPONSET Paroid Roofing is intended for barns, factories, train sheds, grain elevators, fair buildings, business blocks, coal pockets, etc. It is used extensively as a siding as well as a roofing.

Every year since 1898, when the buildings at Havana, Cuba, were covered with **NEPONSET** Paroid, the United States Government has bought this product in large quantities, one year over a million and a quarter square feet, and has found it meeting the requirements everywhere, in Cuba, Panama, the Philippines, Alaska and throughout the States.

Nearly all the leading railroad systems, such as the Pennsylvania, Harriman, New York Central, New York, New Haven and Hartford, etc., are constant and extensive users of **NEPONSET** Paroid. Among the leading manufacturing industries which have covered their factories with



Howard Watch Co., Waltham, Massachusetts



Postum Cereal Plant, Battle Creek, Michigan

Some of the well-known industrial plants where



Remington Typewriter Works, Ilion, New York



Olds Motor Co., Lansing, Michigan

ere buildings are roofed with **NEPONSET** PAROID.

this roofing are the P. & F. Corbin Company, Remington Typewriter Company, Borden's Condensed Milk Company, Postum Cereal Company, Howard Watch Company and Olds Motor Company.

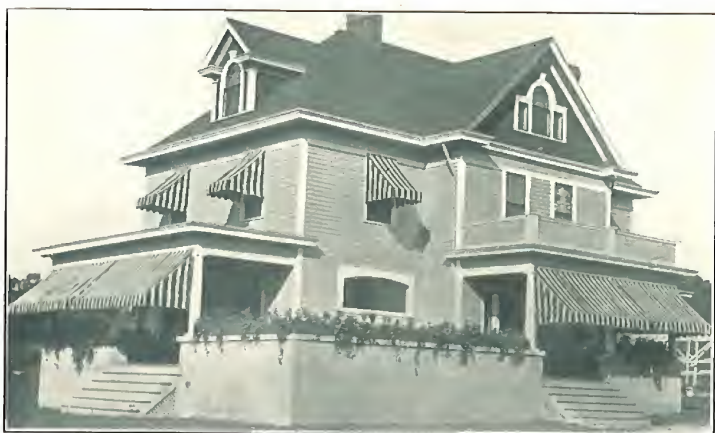
The extremes of temperature have no effect upon **NEPONSET** Paroid. It resists snow and water, and is indorsed by the National Board of Fire Underwriters as a protector against fire. Fumes, smoke, acids and salt air do not affect **NEPONSET** Paroid in the slightest.

On account of its waterproof and lasting qualities **NEPONSET** Paroid has been utilized for various purposes by householders, to whom it has proved a great convenience in many ways. Among such are its common uses as a flooring around the kitchen sink and as a door mat.

NEPONSET Proslate Roofing for Residential Buildings

NEPONSET Proslate Roofing is taking the place to a large extent of the roofings and sidings formerly used on residences, clubhouses and fine farm buildings. This product comes with both straight and ornamental edges, in a rich reddish brown color. The ornamental edge is especially adapted to pitch roofs, giving the appearance of a slate or shingle roof. The straight edge can be used on the walls in combination with battens to secure almost limitless attractive effects. The cement, caps and nails are all of the same color as the roofing.

NEPONSET Proslate is a more permanent protection



Residence of George D. Mellvaine, Pittsburg, Pennsylvania. Roofed with **NEPONSET** PROSLATE, Insulated with **NEPONSET** BUILDING PAPER



Residence of B. N. Duke, Durham, North Carolina.
Architects, Linthicum & Rose

NEPONSET BUILDING PAPERS will add about one-fifth of 1% to the cost — save one-third of fuel bill each winter

against cold than clapboards or shingles and is less expensive, both in initial cost and in cost of laying. Although the design and effect are comparatively new, its durability cannot be questioned, for it is **NEPONSET** Paroid plus an extra wearing surface of a specially prepared paint. This makes **NEPONSET** Proslate the most attractive prepared roofing on the market.

NEPONSET Red Rope Roofing for Low Cost Work

Possibly, however, you are desirous of securing a roofing for a small temporary shed or building,—one that while of low cost will be waterproof and last for several years. Through the last quarter of a century the standard low-cost roofing and siding among farmers and poultrymen has been **NEPONSET** Red Rope Roofing. This product is saturated and made absolutely weather-proof by a special preservative; it will not crack in winter nor run in summer, like tar and other cheap saturations.

NEPONSET Red Rope Roofing is much cleaner and easier to handle than tarred felt, much more attractive in appearance, and a far better protection.

Among the Bird **NEPONSET** Products are these special roofing paints: **NEPONSET** Paroid Paint and **NEPONSET** Red Rope Paint.

NEPONSET Paroid Paint will give very satisfactory results on any prepared or metal roofing, although it is especially intended for **NEPONSET** Paroid Roofing after

this material has been on for a couple of years. This paint comes in one color — brown.

NEPONSET Red Rope Paint comes in red and is used on **NEPONSET** Red Rope Roofing when first laid. If this is done the roofing will last from five to seven years and often much longer.

Precautions in the Laying of Ready Roofing

The roof planks or boards should be thoroughly seasoned lumber, of uniform thickness, free from knots or irregularities of surface, and laid close together (matched if possible). Thoroughly seasoned lumber is necessary, for green lumber is apt to warp, and in that way break the roofing. The surface should be swept clean just before laying the roofing and no nails or splinters left protruding. The roofing should be laid in the same direction as the roof boards run, or on a flat roof, parallel with the eaves. The edge of the strip should be laid over the edge of the roof boards, nailed and capped. Lay the second strip so that the first strip will overlap two inches. (There is a guide line on **NEPONSET** Paroid and **NEPONSET** Proslate Roofings.) Laps must not coincide with joints in roof boards. Cement the lap thus formed securely together with the cement furnished and then fasten the roofing to the planks with nails and caps also supplied. Cover the entire lap with the cement, using the guide to keep the cement line even and straight.

On steep roofs the first strip should be laid at the ridge and parallel with it and then lapped over the opposite side about six inches. Proceed then as described for flat roofs.

Further and full directions found in each roll, make the laying of **NEPONSET** Roofings very simple.

There are Building Papers in Most Buildings—Why **NEPONSET** Building Papers Should Be in Yours

In years past when winter time arrived it was customary to close up the house with the exception of as few rooms as possible, because heating throughout could not be accomplished. Of course the introduction of steam, hot air and hot water has been the main factor in bringing about the heating of the entire house, but they have been ably assisted by effective waterproof building papers.

At the present day papers and felts are used in constructions of practically every kind, from the foundation to the roof.

The outside walls of the building have waterproof papers placed inside them to keep out drafts and dampness. The inside walls have felts to deaden sound. Such roofings as metal, slate, tile, etc., in nearly every case are re-enforced by waterproof papers or felt to prevent possible leakage and also to keep out noises.



Residence of Eben Jordan, West Manchester, Massachusetts
Architects, Wheelwright & Haven



Residence of Meyer S. May, Grand Rapids, Michigan
Architect, Frank Lloyd Wright

In any part of the country, in well constructed residences you will
find **NEPONSET** BUILDING PAPERS.

In the case of bungalows, which are usually built without a cellar, it is absolutely necessary to protect your floors from the dampness underneath by a permanent waterproof building paper.

As the first to realize its possibilities we made the original permanent waterproof building paper — **NEPONSET**. Ordinary building papers are not waterproof, going to pieces from the effects of damp weather, and thus proving absolutely useless.

One way of comparing **NEPONSET** Building Papers with the ordinary kind is to put a piece of each in water over night. Whereas **NEPONSET** will be unchanged, the appearance of the other will give you an idea of how moisture is going to injure it.

As a result of their well-established superiority you will find **NEPONSET** Waterproof Building Papers in the White House at Washington and in fact in nearly all types of residences, from large estates to low cost cottages. (The fact that over 75 per cent of the refrigerator cars built in this country and most of the cold storage plants are insulated with the special Bird **NEPONSET** Product intended for these purposes is another indication of their recognized quality.)

When you put **NEPONSET** Waterproof Building Paper in your walls you secure such protection against dampness and drafts that you will save at least one-third the usual coal bill. At the same time you will help preserve the sheathing boards. When the paper used is not waterproof, it will absorb moisture at all times, and if rain falls during construction will be absolutely destroyed. Then when the



White House, Washington, D.C.



Residence of Alexander Pantages, Seattle, Washington
Architects, Wilson & Loveless

NEPONSET BUILDING PAPERS in President's residence.

covering is put on over it, the house is sure to be damp for months and afterwards permanently drafty on account of the decay of the paper.

NEPONSET Waterproof Building Paper is unaffected by water or rain and will keep the dampness from the rooms of the house.

For use in exterior walls **NEPONSET** Red Rope gives the very best results, but **NEPONSET** Black Waterproof Building Paper, costing a little less, is very extensively used for ordinary purposes.

In a stucco house waterproof building paper is necessary, because this material takes in considerable moisture and practically never dries out.

NEPONSET Waterproof Building Papers are also extensively used to take the place of back plaster, being much more economical.

In the modern building every attempt is made to keep the noises on the roof or from one room from penetrating the rooms below and adjoining. The product which has proved especially effective for this purpose is **NEPONSET** Florian Sound Deadening Felt. In a recent impartial test with its chief competitor, Florian was so effective that the builder tore open the other floors to make sure they were insulated at all. Whereas most materials used for this purpose are veritable vermin breeders, **NEPONSET** Florian is made from such clean stock and in such a manner that it can never decay or become unsanitary. It is the most sanitary deadening felt made.

Whether or not you use **NEPONSET** Roofings you

will need a Bird **NEPONSET** Product for your roof, as many types of roofing would prove much more satisfactory if placed over a building paper. Take the tin roof and waterproof building paper will guard against leakage and rusting, will keep out heat and deaden the sound of rain. It is important, moreover, that the building paper used should contain no acid which will injure the tin, and for that reason your one safe course is to use **NEPONSET** Red Rope or **NEPONSET** Black Waterproof.

On slate and tile roofs the waterproof paper will protect the roof planks and the building beneath while the tile is being laid. Likewise when such roofs start to leak or a piece is blown off, the **NEPONSET** Waterproof Paper will be a barrier against the outside elements.

Before you decide this all-important question of Roofings and Building Papers, ask us to tell you the buildings in your vicinity which are demonstrating year in and year out the superiority and durability of Bird **NEPONSET Products.**

Our Building Counsel Department is at the disposal of any one building or repairing. Let us have full particulars and we will gladly give you expert advice on any roofing or waterproofing question.

F. W. BIRD & SON, Established 1795

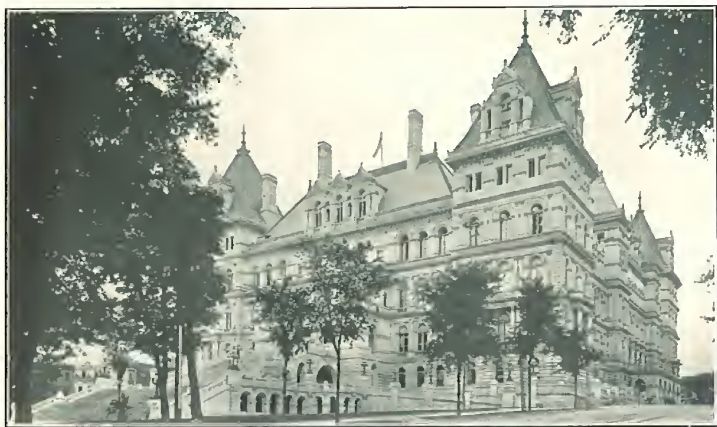
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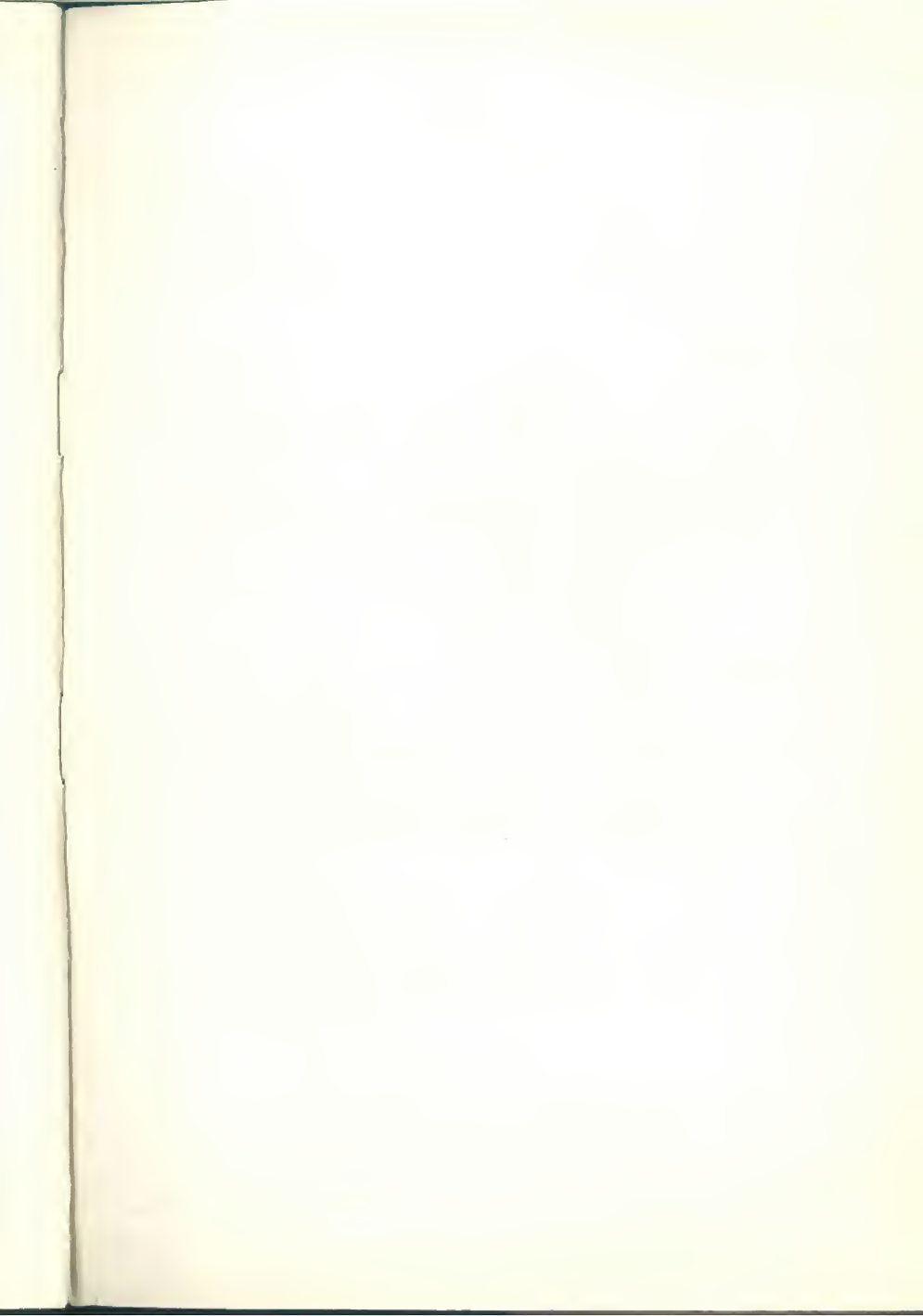


Capitol at Hartford, Connecticut



Capitol at Albany, New York

For these fine capitol buildings, the choice of building papers
was **NEPONSET**.





Trade Mark
Reg. U.S. Pat. Off.

F.W.BIRD & SON
ESTABLISHED 1795.
EAST WALPOLE, MASS.